

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P942603

Luminaire Tested: **GALN-SB6C-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32556 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

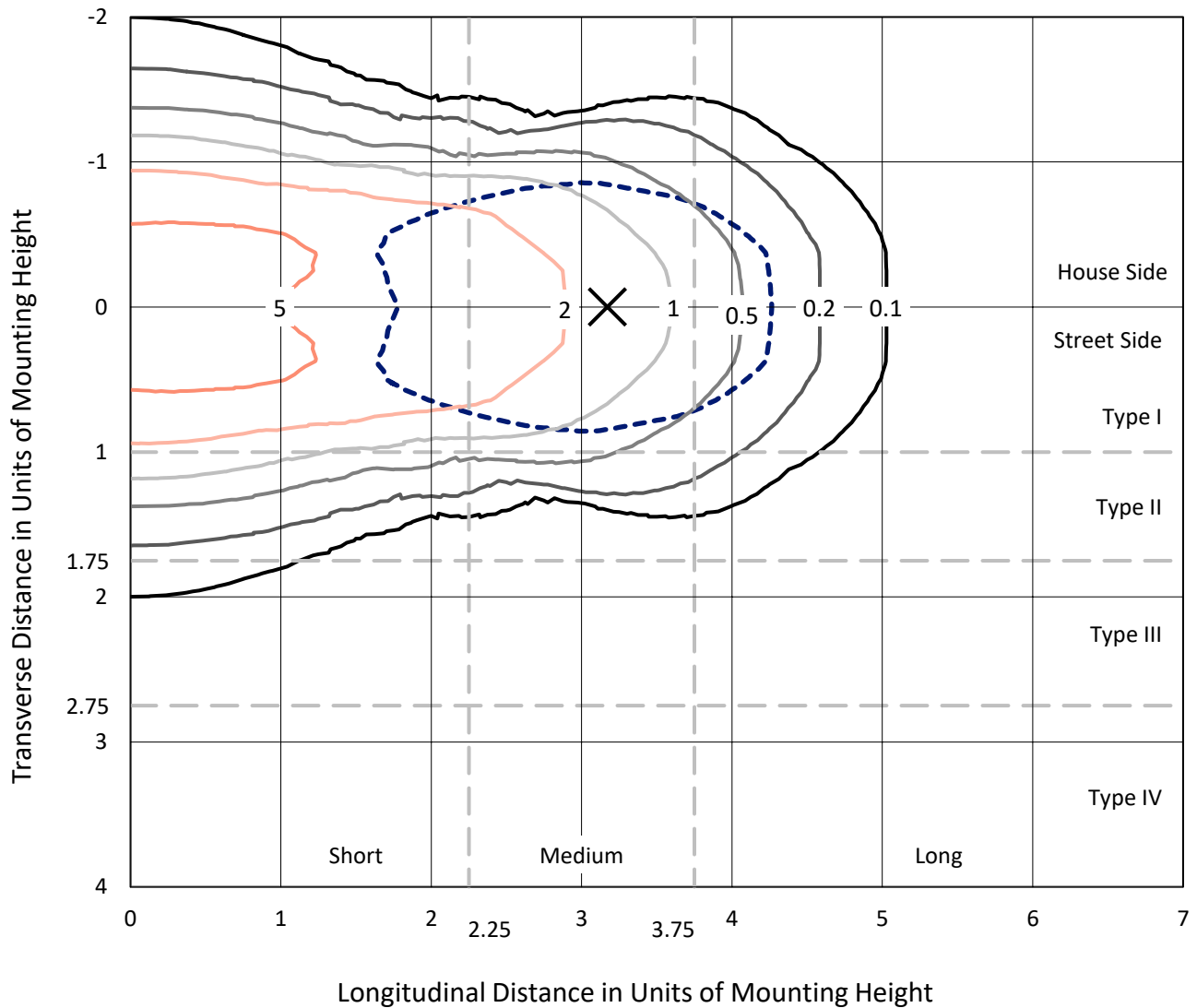
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

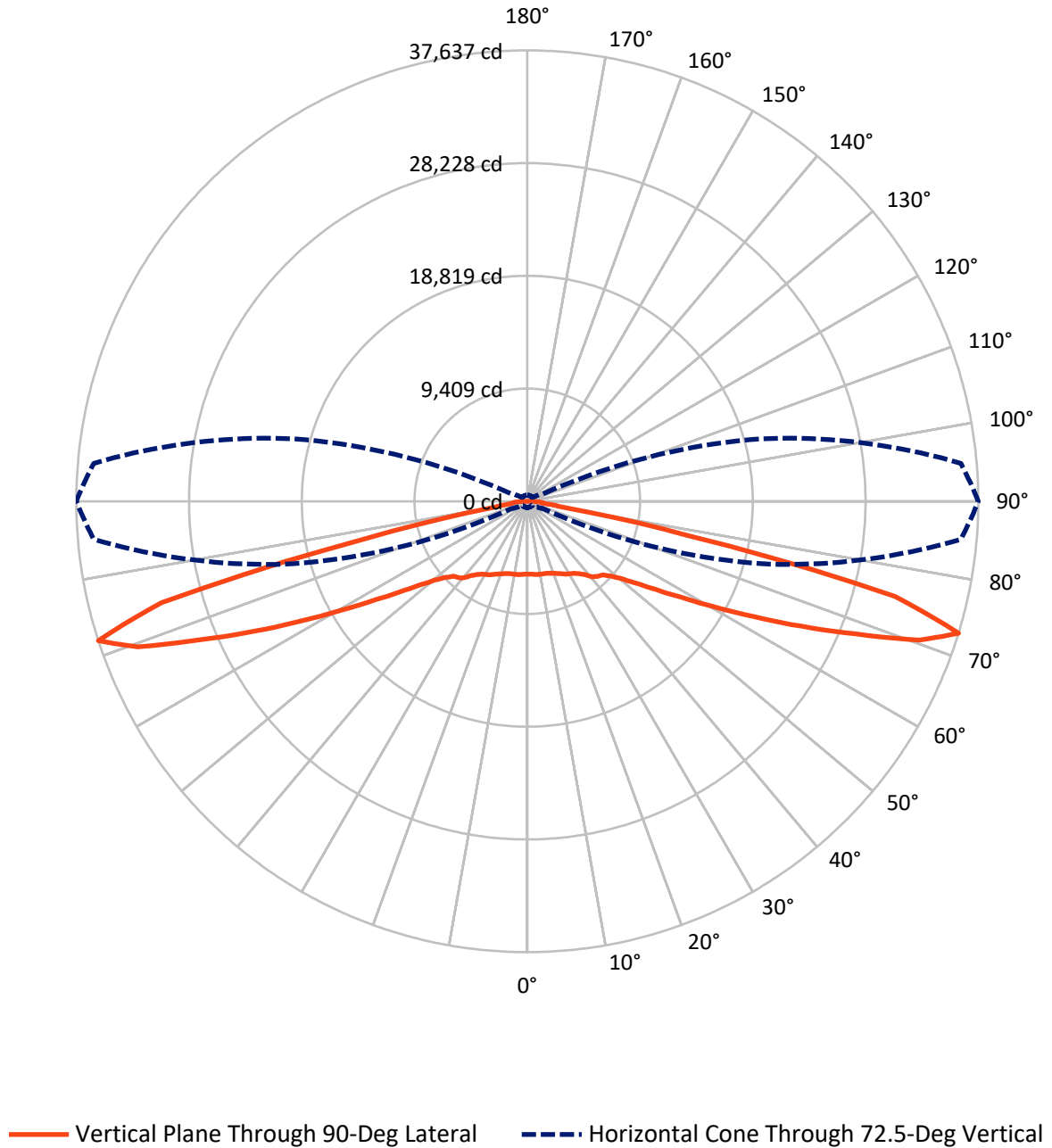
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16278.0	0.0	16278.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16278.0	0.0	16278.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32556.0	0.0	32556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.9	1.8
10°-20°	1803.6	5.5
20°-30°	3007.3	9.2
30°-40°	4135.9	12.7
40°-50°	5051.1	15.5
50°-60°	5842.2	17.9
60°-70°	6965.8	21.4
70°-80°	4861.7	14.9
80°-90°	298.6	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	32556.0	100.0
0°-180°	32556.0	100.0

Coefficient of Utilization



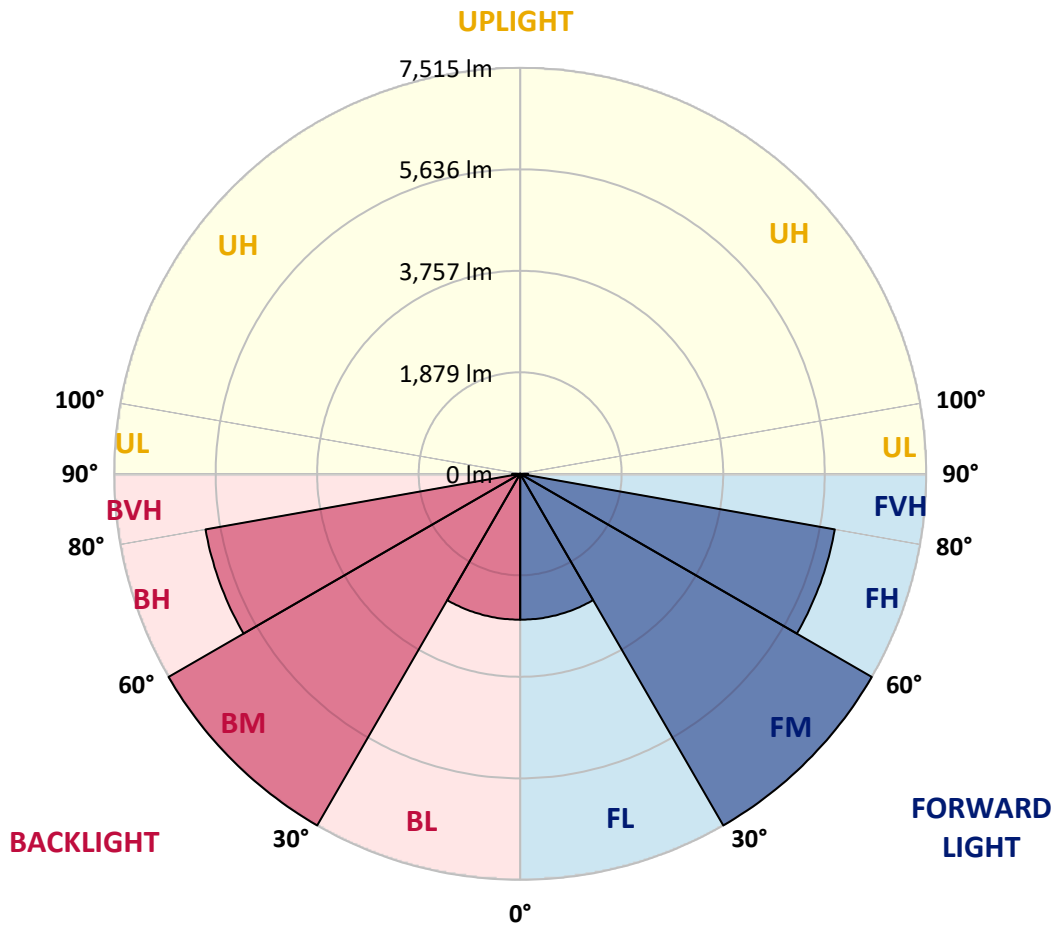
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2700.4	8.3			
FM (30°-60°)	7514.6	23.1			
FH (60°-80°)	5913.7	18.2			G3/7500
FVH (80°-90°)	149.3	0.5			G2/225
BL (0°-30°)	2700.4	8.3	B4/5000		
BM (30°-60°)	7514.6	23.1	B4/8500		
BH (60°-80°)	5913.7	18.2	B5		G5
BVH (80°-90°)	149.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6083.4	6083.4	6083.4	6083.4	6083.4	6083.4	6083.4	6083.4	6083.4	6083.4
2.5°	6088.6	6095.5	6095.5	6090.4	6102.5	6092.1	6092.1	6086.9	6092.1	6086.9
5°	6119.8	6128.4	6131.9	6130.1	6145.7	6137.1	6137.1	6130.1	6131.9	6126.7
7.5°	6178.6	6190.7	6197.6	6206.3	6228.8	6218.4	6211.5	6190.7	6182.1	6168.2
10°	6197.6	6211.5	6234.0	6278.9	6330.9	6332.6	6311.8	6259.9	6220.1	6189.0
12.5°	6138.8	6157.8	6204.5	6296.2	6412.2	6458.9	6426.0	6339.5	6261.6	6206.3
15°	6064.4	6085.2	6156.1	6294.5	6465.8	6574.8	6571.4	6457.2	6332.6	6246.1
17.5°	5948.5	5969.2	6071.3	6265.1	6507.3	6687.3	6735.7	6618.1	6443.3	6327.4
20°	5739.1	5758.2	5900.0	6171.7	6521.2	6806.7	6933.0	6829.2	6611.1	6453.7
22.5°	5467.5	5496.9	5663.0	6010.8	6488.3	6931.2	7157.9	7087.0	6806.7	6588.7
25°	5176.8	5207.9	5401.7	5813.5	6403.5	7021.2	7424.3	7379.4	7028.1	6756.5
27.5°	4925.9	4958.8	5169.9	5618.0	6272.0	7055.8	7687.3	7709.8	7296.3	6941.6
30°	4728.7	4759.8	4984.7	5460.6	6102.5	7021.2	7917.5	8073.2	7569.7	7102.5
32.5°	4512.4	4552.2	4789.2	5268.5	5901.8	6938.2	8118.2	8465.9	7886.3	7275.5
35°	4239.0	4275.4	4524.5	5005.5	5638.8	6804.9	8286.0	8902.0	8339.6	7538.5
37.5°	3906.8	3941.4	4188.8	4676.8	5377.5	6618.1	8414.0	9393.3	8879.5	7917.5
40°	3572.9	3605.8	3837.6	4310.0	5064.3	6379.3	8459.0	9874.3	9498.9	8438.3
42.5°	3266.6	3296.1	3508.9	3948.3	4713.1	6074.8	8400.2	10293.0	10054.3	8801.6
45°	2984.6	3010.6	3199.2	3609.2	4348.0	5704.5	8223.7	10742.9	10715.2	9061.1
47.5°	2662.8	2688.8	2884.3	3280.5	3983.0	5270.2	7924.4	11185.8	11634.0	9649.4
50°	2270.0	2292.5	2493.2	2901.6	3604.0	4808.3	7509.1	11533.6	12793.2	10540.5
52.5°	1804.6	1828.8	2024.4	2432.7	3154.2	4311.7	6962.4	11760.3	14132.4	11841.6
55°	1342.6	1359.9	1529.5	1896.3	2597.1	3745.9	6277.2	11824.3	15651.5	13620.2
57.5°	974.1	984.5	1093.5	1366.9	1969.0	3038.3	5445.0	11658.2	17459.6	15900.7
60°	789.0	792.4	825.3	946.4	1368.6	2238.9	4439.7	11087.2	19421.7	18840.3
62.5°	716.3	716.3	725.0	757.8	925.7	1477.6	3223.4	9903.7	21525.6	22555.1
65°	666.1	666.1	669.6	685.2	730.2	941.2	2034.7	7976.3	23299.1	26906.6
67.5°	621.1	622.9	621.1	626.3	652.3	695.5	1180.0	5509.0	24254.1	31415.5
70°	574.4	577.9	569.2	569.2	590.0	591.7	738.8	3021.0	23461.7	35194.3
72.5°	519.1	524.3	510.4	507.0	522.5	515.6	555.4	1449.9	20143.2	36322.4
75°	470.6	477.5	446.4	437.7	437.7	432.6	451.6	744.0	13073.5	29629.9
77.5°	427.4	441.2	391.0	363.3	356.4	340.9	368.5	455.0	5718.4	13910.9
80°	353.0	372.0	321.8	288.9	276.8	259.5	290.7	318.4	1700.8	3230.3
82.5°	263.0	271.6	228.4	205.9	195.5	183.4	218.0	221.5	553.7	1143.7
85°	167.8	171.3	140.1	121.1	115.9	110.7	138.4	121.1	211.1	840.9
87.5°	58.8	67.5	53.6	48.4	51.9	43.3	64.0	36.3	58.8	593.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6083.4
6086.9
6126.7
6168.2
6183.8
6197.6
6232.2
6308.4
6424.3
6548.9
6701.1
6882.8
7017.7
7168.3
7419.2
7758.3
8268.7
8583.6
8767.0
9310.3
10114.8
11317.3
12964.5
15075.4
17800.4
21162.2
25145.2
29514.0
34694.3
37637.3
31692.3
13622.0
3093.6
1292.5
1221.5
735.3
0.0

OF REPORT)